



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO042014**

Supplier: MCM001-VU
McMaster-Carr Supply Co,
P.O. Box 7690
Chicago, IL 60680-7690 USA
Phone: 330 995 5500
Fax: 330 995 9600

PO No: PO042014

PO Date: 12/11/18

Due Date: 12/13/18

**Purchase Order
Revision:**

Revision Date:

Ship-To Contact: Lavoie, Chantal
clavoie@dartaero.com

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground

Pynt Terms: 2% 10 Net 30

Freight Terms:

Special Comments:

Items

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1		1374N33	2 sf	Multipurpose Neoprene Rubber Sheet 50A, Adhesive-Back, 12" x 24", 1/16" Thick	Firmed	-	12/13/18	4 Ea	0 Ea	4 Ea	\$15.60/Ea	\$62.40
Line Item Note 2 pcs of 12 x 24 inch												
2		76475A92	3 ft long	Low-Friction Surface-Protection Tape w/Teflon PTFE, Extra-Tough, 2" Wide x 0.022" Thick x 3' Long receive ea	Firmed	-	12/13/18	12 ft	0 ft	12 ft	\$12.973333/ft	\$155.68
3		MDELINR3.000W	8572K34	Delrin Rod, White, 3.000 Dia	Firmed	-	12/13/18	1 ft	0 ft	1 ft	\$45.39/ft	\$45.39
4		90576A104	100/pk	Lock Nut, M5 x 0.8 receive ea	Firmed	-	12/13/18	100 Ea	0 Ea	100 Ea	\$0.045/Ea	\$4.50
5		91166A240	100/pk	Washer M5 receive ea	Firmed	-	12/13/18	100 Ea	0 Ea	100 Ea	\$0.0231/Ea	\$2.31
6		92865A221	5/pk	Steel Hex Head Screw, Zinc-Plated, 3/8"-24 Thread Size, 2"	Firmed	-	12/13/18	10 Ea	0 Ea	10 Ea	\$2.352/Ea	\$23.52



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7		RBT18406-1	90302A214	Ball Lock Pin, L Handle	Firmed	-	12/13/18	4 Ea	0 Ea	4 Ea	\$30.70/Ea	\$122.80
EX DEC 27 2018												
Grand Total:											\$416.60	

Order Notes

Procurement Quality Clauses

A005 RIGHT OF ENTRY

A016 PERSONNEL QUALIFICATION

A026 CERTIFICATION OF MATERIAL CONFORMANCE

A032 DOCUMENT SPECIAL REQUIREMENTS

A033 STATEMENT OF CONFORMITY/TEST RECORDS FOR NAS, AN and MS FASTENERS

A040 NOTIFICATION OF QUALITY ESCAPE

A041 QUALITY MANAGEMENT SYSTEM

A042 DART NOTIFICATION BY SUPPLIER

A043 RETENTION OF QUALITY DOCUMENTS

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 12/11/18 2:39 PM dart.lavoie.chantal



McMASTER-CARR®

Packing List

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

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PO042014

Order Placed By
Chantal Lavoie

McMaster-Carr Number
5217477-02

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12/11/2018

Line	Product	Ordered	Shipped
1	1374N33 Multipurpose Neoprene Rubber Sheet, Adhesive-Back, with Certificate, 12" x 24", 1/16" Thick, 50A Durometer	4 Each	4 ✓
3	8572K34 White Delrin® Acetal Resin Rod, 3" Diameter, 1' Length	1 Foot	1 ✓
4	90576A104 Medium-Strength Steel Nylon-Insert Locknut, Class 8, Zinc-Plated, M5 x 0.8 mm Thread, Packs of 100 101	1 Pack	1 ✓
5	91166A240 Zinc-Plated Steel Washer for M5 Screw Size, 5.3 mm ID, 10 mm OD, Packs of 100 103	1 Pack	1 ✓
6	92865A221 Medium-Strength Grade 5 Steel Hex Head Screw, Zinc-Plated, 3/8"-24 Thread Size, 2" Long, Fully Threaded, Packs of 5	2 Packs	2 ✓
7	90302A214 L-Handle Push-Button Quick-Release Pin, 5/16" Diameter, 3" Usable Length	4 Each	4 ✓

Shipped separately from our Chicago warehouse on 12/11

2	76475A92 Low-Friction Tape Made with Teflon PTFE, Heavy Duty, 2" Wide, 3 Feet Long, 0.022" Overall Thickness	4 Each	4
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White Delrin® Acetal Resin Rod
3" Diameter

In stock
\$45.39 per ft.
8572K34

Material	Delrin® Acetal Plastic
Cross Section Shape	Round
Construction	Solid
Texture	Smooth
Color	White
Clarity	Opaque
Diameter	3"
Diameter Tolerance	0" to +0.250"
Tolerance Rating	Oversized
Length	1 ft., 2 ft., 3 ft., 4 ft., 5 ft.
Hardness	Rockwell M90
Hardness Rating	Hard
For Use Outdoors	No
Temperature Range	-20° to 180° F
Impact Strength	1.00 ft.-lbs./in.
Impact Strength Rating	Good
Tensile Strength	9,000 psi
Tensile Strength Rating	Good
Specifications Met	ASTM D6100, NSF/ANSI Standard 51 for Food Contact, NSF/ANSI Standard 61 for Drinking Water
Density	0.051 lbs./cu. in.
Coefficient of Friction	0.20
Dielectric Strength	435 V/mil
Water Absorption	0.30%
Coefficient of Thermal Expansion	8.5 x 10 ⁻⁵ in./in./°F
RoHS	Compliant

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL : DELRIN II 150E OR ACETRON GP ACETAL

PART NUMBER : M-DELRIN-R D.DDD X COLOR CODE
DIA

WHERE D.DDD = DIAMETER IN INCHES
X = COLOR CODE, "W" = WHITE, OMITTED = BLACK
EG. 1" BLACK ROUND BAR = M-DELRIN-R1.000
2" WHITE ROUND BAR = M-DELRIN-R2.000W

RELEASED
2010 MAR 27 40
ECS 18-657

APPROVED

B	UPDATE DRAWING TO CURRENT STANDARDS AND MATERIAL COLOR "WHITE" ADD REASON CUS-110: ADD ACETRON GP ACETAL AS OPTION (REV. A1).	SAD	17.10.19
A	NEW ISSUE	DS	01.11.12
REV.	DESCRIPTION	BY	DATE
DESIGN	SAD		
DRAWN	SAD		
CHECKED	RF		
MFG. APPR.	RA		
APPROVED	HS		
DE APPR.	CP		
DATE	17.10.19		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWING NO. M-DELRIN-R			
TITLE DELRIN ROUND BAR			
REV. B			
SHEET 1 OF 1			
SCALE			
NTS			
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ALL RIGHTS RESERVED. NO PART OF THIS DRAWING MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.			

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MDDELRIINR3.000W
 DATE: 19/01/23

PO / BATCH NO.: P0042014/S140525

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 14
 QUANTITY INSPECTED: 14
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 3.000"
 THICKNESS RECEIVED: 3.000"
 SHEET SIZE ORDERED: —
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	(N)	
CORRECT FINISH	(Y)	N	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	(Y)	N	
CORRECT MATERIAL PER M-DRAWING	(Y)	N	DELRIIN
CORRECT THICKNESS	(Y)	N	
PHOTO REQUIRED	Y	(N)	
CORRECT REF # TO LINK CERT	(Y)	N	P0042014
CORRECT MATERIAL IDENTIFICATION	(Y)	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS 61</u> DATE: <u>19/01/23</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in